Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/01/2020 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124682	-1	2.44	124749	2.44
Blue	F	SSC	125000	123893	-1	1.77	124587	1.77
Blue	E	FITC	15892	15443	-3	2.87	336	20.92
Blue	D	PE	29999	29094	-4	1.96	633	15.35
Blue	B	PerCP-Cy5-5	43732	43184	-2	3.70	1158	20.90
Blue	A	PE-Cy7	30845	30909	0	6.23	591	41.61
Red	C	APC	46112	44985	-3	2.58	1584	12.44
Red	A	APC-Cy7	30458	29624	-3	2.45	785	12.21
Violet	B	V450	7918	7620	-4	4.57	437	12.80
Violet	A	V500	32171	31563	-2	4.32	741	10.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16712	13.51	651	30	N/A	N/A	Pass
Blue	F	SSC	56866	1.32	578	19	N/A	N/A	Pass
Blue	E	FITC	61	64.02	551	8	0.0176	74	Pass
Blue	D	PE	132	51.50	556	8	0.1467	258	Pass
Blue	B	PerCP-Cy5-5	214	51.02	663	7	0.0086	58	Pass
Blue	A	PE-Cy7	108	106.44	709	11	0.0106	25	Pass
Red	C	APC	381	26.08	592	8	0.0234	174	Pass
Red	A	APC-Cy7	175	29.85	562	6	0.0054	1341	Pass
Violet	B	V450	66	57.53	463	5	0.0546	2063	Pass
Violet	A	V500	110	30.72	479	5	0.0231	391	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.18	-32.69	1.00
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.95	13.60 - 20.40	N/A	N/A	29.81	30.38	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9813

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments